



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/785,266 Confirmation No.: Unassigned
Applicant: Collins *et al.*
Filed: February 24, 2004
TC/A.AU.: Unassigned
Examiner: Unassigned
Docket No.: 11138.105030 MAYO 1003 CON
Customer No.: 20786
Title: Cobalamin Conjugates Useful as Imaging and Therapeutic Agents

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450


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The citation of information on the attached Form PTO-1449 is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Copies of references are enclosed for: AA, AE, AI, AM, AQ, AR, AV, AAC, BC, BG, BK, BL, BM, BN, BO, BR, BX, CA, CB, CL, CM, CO, CP, CQ, CR, CS, CT, CV, CW, DA, DD, DF, DG, DK, DL, EK, EM, EN, FC, FD, FE, FH, FJ, FK, GA, GB, GC, GD, GF, GG, GH, GJ, and GM. Copies of remaining references were cited in the parent application 09/690,353. The Examiner's attention is drawn to copending applications U.S.S.N. 09/690,197, 09/690,198 and 10/028,857. The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

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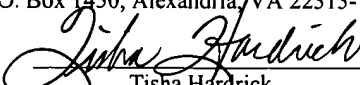
Respectfully submitted,


Madeline I. Johnston
Reg. No. 36,174

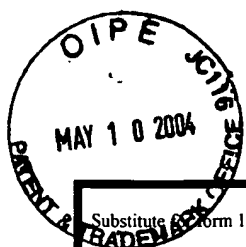
Dated: May 6, 2004
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Tisha Hardrick

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Substitute Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

7

Complete if Known

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Filing Date

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First Named Inventor

Collins *et al.*

Group Art Unit

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Examiner

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Attorney Docket Number

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U.S. PATENT DOCUMENTS

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		Number	Kind Code (if known)			
✓	AA	3,627,788	A	Bouchaudon	11-27-1968	
	AB	3,936,440	A	Nath	02-03-1976	
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	AAD	5,877,165	A	Miura <i>et al.</i>	03-02-1999	
	AAE	5,936,082	A	Bauer	08-10-1999	

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		Number	Kind Code (if known)			
✓	BA	6,004,533	A	Collins <i>et al.</i>	12-21-1999	
	BB	6,074,625	A	Hawthorne <i>et al.</i>	06-13-1900	
	BC	6,083,926	A	Morgan <i>et al.</i>	07-04-2000	
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	BN	2003/0018009	A1	Collins	01-23-2003	
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✓	BP	6,613,305	A1	Collins <i>et al.</i>	09-02-2003	

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		Office ³	Number	Kind Code ² (if known)				
	BQ	AU	04490099	A1	Biotech Australia Pty. Ltd.	01-05-2000		
	BR	DE	1,811,518		Rhone-Poulenc S.A. [Bouchaudon] <i>Chem. Abstr.</i> 71:91866s (1969)	07-10-1969		
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	BT	EP	0 069 450	A1	Technicon Instruments Corp.	01-12-1983		
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	BAB	WO	95/27723	A1	Morgan; Wilbur; Pathare	10-19-1995		

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		Office ³	Number	Kind Code ² (if known)				
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	CB	WO	96/27641	A1	BioTech Australia	12-08-1994		
	CC	WO	96/31243	A1	The DuPont Merck Pharm. Co.	10-10-1996		
	CD	WO	97/14711	A1	Receptagen; Univ. Washington	04-24-1997		
	CE	WO	97/18231	A1	Regents of Univ. Minnesota	05-22-1997		
	CF	WO	97/33627	A2	The DuPont Merck Pharm. Co.	09-18-1997		
	CG	WO	98/08859	A1	Univ. Utah Res. Found.	03-05-1998		
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	CP	WO	01/92288	A2	Collins; Mayo Found.; U. Minn.	12-06-2001		
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	CS	WO	03/000010	A2	Collins	01-21-2003		
	CT	WO	03/025139	A2	Mayo Found.	03-27-2003		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
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	CU	ALAM, G. <i>et al.</i> , "Boronated compounds for neutron capture therapy," <i>Strahlentherapie und Onkologie</i> , 165(2/3):121-123 (1989).		
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J	DA	ANTON, D.L., <i>et al.</i> , "Carbon-13 nuclear magnetic resonance studies of the monocarboxylic acids of cyanocobalamin. Assignments of the B-, D-, and E-monocarboxylic acids," <i>J. Am. Chem. Soc.</i> , 102(7):2215-2219 (March 26, 1980).	
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	DC	BEGLEY, J.A., <i>et al.</i> , "Cobalamin metabolism in cultured human chorionic villus cells," <i>J. Cell Physiol.</i> , 156(1):43-47 (July 1993).	
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	DJ	COOPER, B.A., <i>et al.</i> , "Selective uptake of specifically bound cobalt-58 vitamin B12 by human and mouse tumour cells," <i>Nature</i> , 191, 393-395 (July 1961).	
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J	EA	FINKLER, A.E., <i>et al.</i> , "Nature of the relationship between vitamin B12 binding and cell uptake," <i>Arch. Biochem. Biophys.</i> , 120(1):79-85 (April 1967).	
	EB	FLODH, H., <i>et al.</i> , "Accumulation of labelled vitamin B12 in some transplanted tumours," <i>Int. J. Cancer</i> , 3(5):694-699 (September 15, 1968).	
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	ED	GABEL, D., <i>et al.</i> , "Monte Carlo simulation of the biological effect of the ¹⁰ B(n,α) ⁷ Li reaction in cells and tissue and its implication for boron neutron capture therapy," <i>Radiation Research</i> , 111:14-25 (1987).	
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	EF	HATANAKA, H., "A revised boron-neutron capture therapy for malignant brain tumors," <i>Journal of Neurology</i> , 209:81-94 (1975).	
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				Application Number	10/785,266
				Filing Date	February 24, 2004
				First Named Inventor	Collins <i>et al.</i>
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	6	of	7	Attorney Docket Number	11138.105030 MAYO 1003 CON

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	FA	LASTER, B.H., <i>et al.</i> , "Biological efficacy of a boronated porphyrin as measured in cell culture," <i>Strahlentherapie und Onkologie</i> , 165(2/3):203-205 (1989).	6
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